UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/685,406	10/09/2000	Jin-Hak Bae	51876.P201	6028

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EXAMINER
LUDWIG, MATTHEW J

ART UNIT	PAPER NUMBER
2178	

DATE MAILED: 03/08/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO-90C (Rev. 10/03)

Office Action Summary	Application No.	Applicant(s)
	09/685,406	BAE ET AL.
	Examiner	Art Unit
	Matthew J. Ludwig	2178

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
   Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *09 October 2000*.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-15* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-15* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☒ All   b)☐ Some * c)☐ None of:

      1.☒ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.

4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

1.   This action is responsive to communications: Application filed 10/09/00.

2.   Claims 1-15 are pending in the case. Claims 1, 10, and 15 are independent claims.

Claim Objections

3.   Claim 1 and 10 are objected to because of the following informalities: The independent

claims fail to clearly state the applicant's invention. More specifically, the term "in conform to

the message" does not provide the Examiner with a clear representation of the limitation within

the independent claims. Examiner suggests, "conforming to the message". Appropriate

correction is required.

Claim Rejections - 35 USC § 103

4.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in
> section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are
> such that the subject matter as a whole would have been obvious at the time the invention was made to a person
> having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the
> manner in which the invention was made.

5.   **Claim 1-4, 6-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fin**

et al., USPN 6,240,444 filed (9/27/96).

In reference to independent claim 1, Fin teaches:

Sending user inputs keystrokes from the keyboard, creating message events, the same key

strokes will be displayed on the receiving user screen in the same was as if these keystrokes are

input by the receiving user (compare to "generating editing instructions, converting editing

instructions to a message related to editing"). See column 11, lines 5-45. Fin does not explicitly

disclose instructions supplied by a user being editing instructions; however, (as presently

claimed) the window resizing and scrolling methods as disclosed in Fin provide a reasonable

suggestion of editing a web page utilizing the messages within a client/server environment. It

would have been obvious to one of ordinary skill in the art to modify the window/scrolling

methods taught by Fin and utilized the collaborative techniques for providing web document

editing instructions as most of the input instructions as disclosed in Fin alter web document in

some generic fashion and give the user an enhanced view of web documents in a network

environment.

In reference to dependent claim 2, Fin teaches:

The web sharing manager of a receiving sharing client receives the duplicated events and

messages from the web sharing manager of a source sharing client that causes the browser of the

receiving sharing client to execute the duplicate event/messages. See column 3, lines 25-39.

The web sharing user interface provides the look and feel for users of this package to

establish the connection. See column 6, lines 17-20.

In reference to dependent claim 3, Fin teaches:

Sending user inputs keystrokes from the keyboard, creating message events, the same key

strokes will be displayed on the receiving user screen in the same was as if the receiving user

inputs these keystrokes. See column 11, lines 5-45. The web sharing manager of a receiving

sharing client receives the duplicated events and messages from the web sharing manager of a

source sharing client that causes the browser of the receiving sharing client to execute the

duplicate event/messages. See column 3, lines 25-39.

The web sharing user interface provides the look and feel for users of this package to establish the connection. See column 6, lines 17-20.

In reference to dependent claim 4, Fin teaches:

Within the web sharing manager, the redirectors make sure that the request/events and messages are routed to the correct place in both the source and receiving sharing clients. See column 5, lines 27-43.

In reference to dependent claim 6, Fin teaches:

The web sharing user interface provides the look and feel for users of this package to establish the connection, to invoke tools, to share or unshared the web browser's document, and to show the status of other users. See column 17-25.

In reference to dependent claim 7, Fin teaches:

A web sharing manager controlling users within a cooperative environment. See column 3, lines 27-35. However, the collaborative methods as taught by Fin do not explicitly disclose verifying an identification and password of the user. It would have been obvious to one of ordinary skill in the art at the time the invention was made to have included network user id as a password that would have provided a proficient control means and given the web sharing manager efficient control over shared user within the web document system.

In reference to dependent claim 8, Fin teaches:

All sharing clients collaborate to share the same web page, i.e. both users will see the same web document displayed by their respective web browser. If a sending user inputs some keystrokes from the keyboard, creating message events, the same keystrokes will be displayed on

the receiving user screen in the same way as if the receiving user inputs these keystrokes. See

column 11, lines 15-39.

In reference to dependent claim 9, Fin teaches:

The web sharing user interface provides the look and feel for users of this package to

establish the connection, to invoke tools, to share or unshared the web browser's document, and

to show the status of other users. See column 17-25.

In reference to claims 10-14, the limitations reflect similar instructions used for performing the

system as claimed in claims 1-9, and in further view of the following, is rejected along the same

rationale.

In reference to claim 15, the limitations reflect the computer program product comprising

computer readable instructions used for performing the methods as claimed in claim 1, and in

further view of the following, is rejected along the same rationale.

6.   **Claim 5 is rejected under 35 U.S.C 103(a) as being unpatentable over Fin as applied**

to claim 2 above, and further in view of Tabuchi, U.S. Patent No. 6,446,093 (filed 2/13/98)

In reference to dependent claim 5, Fin teaches:

The redirector captures and routes the input data messages from input devices and other

origins. See column 6, lines 40-50. The reference does not explicitly disclose a lock requested for

the web document and authority for editing a document. However, Tabuchi teaches the

possibility to limit an editing and/or deleting operation for the document component to the client

carrying out the generation operation for the document component if setting of the access right is

interactively carried out by a user thereof on the generation operation. See column 9, lines 30-40.

The reference provides a reasonable suggestion of a locking device as well as providing an

authority to a user. It would have been obvious to one of ordinary skill in the art, having the

teachings of Fin and Tabuchi before him at the time the invention was made, to modify the web

sharing manager methods of Fin and include the restriction methods of Tabuchi, because they

would have given the user enhanced access rights through the web sharing manager of the

collaborative environment.

Conclusion

7.   The prior art made of record and not relied upon is considered pertinent to applicant's

disclosure.

        Batty et al.,   USPN 6,223,212   filed (3/11/99)

        Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Matthew J. Ludwig whose telephone number is 703-305-8043.

The examiner can normally be reached on 8:00am-5:00pm.

        If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Heather Herndon can be reached on 703-308-5186. The fax phone number for the

organization where this application or proceeding is assigned is 703-872-9306.
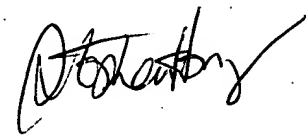
        Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

ML
February 27, 2004

STEPHEN S. HONG
PRIMARY EXAMINER